Express Mailing Label No. EL862265591US

Date of Deposit: October 2, 2001

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PATENT APPLICATION

Attorney Docket No. 21486-026CIP2

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

THE CANTS

Gregory D. Jay

SERIAL NUMBER:

09/897,188

EXAMINER:

Not Yet Assigned

FILING DATE:

July 2, 2001

ART UNIT:

1653

For:

TRIBONECTINS POLYPEPTIDES AND USES THEREOF

October 2, 2001 Boston, Massachusetts

#### TRANSMITTAL LETTER

Assistant Commissioner for Patents Washington, DC 20231

Dear Sir:

Transmitted herewith for filing in the present application are the following documents:

Information Disclosure Statement (1 pg.);

PTO Form 1449 (3 pgs., in duplicate);

Copies of thirty-seven (37) references; and

Return Postcard.

Applicant believes that no additional fees are due in connection with this submission. However, the Commissioner is authorized to charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 21486-026CIP2. A duplicate copy of this Transmittal Letter is enclosed.

Respectfully submitted,

Ingrid A. Beattie, Ph.D., J.D.

Registration No. 42,306

Attorney for Applicant

MINTZ, LEVIN, COHN, FERRIS

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PATENT APPLICATION Attorney Docket No. 21486-026CIP RADEMARK OFFICE

R: Not Yet Assigned

### THE UNITED STATES PATENT AND TRADEMARK OFFICE

PPLICANT Gregory D. Jay

EXAMINER: 09/897,188 EXAMINER: Not Yet Assigned

FILING DATE: July 2, 2001 ART UNIT: 1653

FOR: TRIBONECTINS POLYPEPTIDES AND USES THEREOF

October 2, 2001 Boston, Massachusetts

#### INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, DC 20231

Dear Sir:

Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. This Information Disclosure Statement is being been filed within three months of filing and before the mailing date of a first Office Action on the merits in the above-identified case. Accordingly, no fee or certification is believed required. A copy of each of the references is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). Please charge any fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311 Reference No. 21486-026CIP2.

Respectfully submitted,

Date: October 2, 2001

Ingrid A. Beattie, Ph.D., J.D.
Registration No. 42,306
Attorney for Applicant
MINTZ, LEVIN, COHN, FERRIS
GLOVSKY AND POPEO, P.C.

One Financial Center Boston, MA 02111 (617) 542-6000 (617) 542-2241 Express Mailing Label No. EL862265591US Date of Deposit: October 2, 2001

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

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09/897,188		7
July 2, 2001	30	৵
Gregory D. Jay	2	
1646	23	7
J. Kerr	8	
21486-026 CIP2		
	July 2, 2001 Gregory D. Jay 1646 J. Kerr	July 2, 2001  Gregory D. Jay  1646  J. Kerr

				U.S. PATENT DOCUMENTS			
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	AA	2,487,377	11/08/49	Roehner et al.	252	42.11	
	AB	2,734,862	02/14/56	Morway et al.	252	14	
	AC	2,878,184	03/17/59	March et al.	252	15	
	AD	4,108,849 /	08/22/78	Thomas	260	122	
	AE	4,438,100	03/20/84	Balslev et al.	424	104	
	AF	5,260,417 /	11/9/93	Grant et al.	530	351	
				FOREIGN PATENT DOCUMENTS			Access to
Exam Initials	Cite No.	Foreign Patent Do Office Number		Name of Applicant	Date of P	ublication	Translation Yes No
	ВА	PCT WO 92/13	075 /	Genetics Institute, Inc.	August 6	, 1992	

		OTHER NON PATENT LITERATURE DOCUMENTS	1682 -			
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.				
	CA	Aydelotte et al. (1992) "Heterogeneity of Articular Chondrocytes", Articular Cartilage and Osteoarthritis, Raven Press Lto New York, pp. 237-249.	d.,			
	СВ	J.P. Caron (1992) "Understanding the Pathogenesis of Equine Osteoarthritis", Br. Vet. JSci. USA, Vol. 149, pp. 369-371.				
	СС	Flannery et al. (1999) "Articular Cartilage Superficial Zone Protein (SZP) is Homologous to Megakaryocyte Stimulating Fa Precursor and is a Multifunctional Proteoglycan with Potential Growth-Promoting, Cytoprotective, anmd Lubricating Prope in Cartilage Metabolism", <i>Biochemical and Biophysical Communications</i> , Vol. 254, pp. 535-541.	ctor			
	CD Garg et al (1979) "The Structure of the O-Glycosylically-linked Oligosacharide Chains of LPG-I, A Glycoprot Articular Lubricating Fraction of Bovine Synovial Fluid" Carbohydrate Research, Vol. 78, pp. 79-88.					
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Examine Signature		Date Considered				

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Include copy of this form with next communication to applicant.



## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 09/897,188

Filing Date July 2, 2001

First Named Inventor Gregory D. Jay

Group Art Unit 1646

Examiner Name J. Kerr

Attorney Docket Number 21486-026 CIP2

(use as many sheets as necessary)

1000	2.10.00			U.S. PATENT DOCUMENTS			
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	AG	5,326,558 /	07/05/94	Turner et al.	424	85.1	
	AH	5,510,121	04/23/96	Rhee et al.	424	520	
	ΑI	5,510,122	4/23/96/	Sreebny et al.	424	537	
	AJ	5,515,590	05/14/96	Pienkowswki	29	404	
	AK	5,612,028	03/18/97	Sackier et al.	424	93.7	
	AL	5,639,796	06/17/97	Lee	514	773	
	AM	5,702,456	12/30/97	Pienkowski	623	18	
	AN	5,709,020 /	01/20/98	Pienkowski et al.	427	2.26	

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	CI	Jay et al. (1998) "Comparison of the Boundary-Lubricating Ability of Bovine Synovial Fluid, Lubricin, and Healon", J Biomed Mater Res, Vol. 40, pp. 414-418.				
	CJ /	Jay (1990), "Joint Lubrication: A Physicochemical Study of a Purified Lubrication Factor from Bovine Synovial Fluid", Thesis, Degree of Doctor of Philosophy, Basis Health Sciences (Cellular and Molecular Pathology), State University of New York.				
	CK Jay et al. (2000) "Lubricin is a product of megaryocyte stimulating factor gene expression by human synovial fibrobla: Rheumatology, Vol. 27, No. 3, pp. 594-600.					
	CL Lorenzo et al. (1998) "A Novel Catilage Protein (CILP) Present in the Mid-zone of Human Articular Cartilage Increases Age", <i>J of Biological Chemistry</i> , Vol. 273, No. 36, pp. 23463-23468.  CM Lorenzo et al. (1998) "Cloning and Deduced Amino Acid Sequence of a Novel Cartilage Protein (CILP) Identifies a Profincluding a Nucleotide Pyrophosphohydrolase", <i>J of Biological Chemistry</i> , Vol. 273, No. 36, pp. 23469-23475.  CN Merberg et al. (1993) "A Comparison of Vitronectin and Megakaryocyte Stimulating Factor", Elevier Science Publishe pp. 45-53.					
	CO⁄	Merberg et al. (1997) "Megakaryocyte Stimulating Factor", EMBL Sequence Database Accession Number Q92954.				
	CP /	Merberg et al. (1997) "Human Megakaryocyte Stimulating Factor mRNA, complete cds", EMBL Sequence Database Accession Number U70136				
	co /	Schumacher et al. (1999) "Immunodetection and Partial cDNA Sequence of the Proteoglycan, Superficial Zone Protein, Synthesized by Cells Lining Synovial Joints", <i>J Orthopaedic Research</i> , Vol. 17, pp. 110-121.				
CR Schumacher et al. (1994) "A Novel Proteoglycan Synthesized and Secreted by Chondrocytes of the Superf Articular Cartilage", Archives of Biochemistry and Biophysics, Vol. 311, pp. 144-152.						
	cs /	Swann et al. (1985) "The Molecular Structure and Lubricating Activity of Lubricin Isolated from Bovine and Human Synovial Fluids", <i>Biochem J</i> , Vol. 225, pp. 195-201.				
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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		(use as many sheets as necessary)	Attorney Docket N	Number	21486-026 CIP2	7
		OTHER NON PA	ATENT LITERATURE DO	CUMENTS		
Exam Initials						
CT Swann et al. (1981) "The Molecular Structure of Lubricating Glycoprotein-I, the J. Biological Chemistry, Vol. 256, No. 11, pp. 5921-5925.				tein-I, the Bound	lary Lubricant for Articular Cartilage",	7
	CU	Turner et al. (1991) "Purification, Biochen that has Megakaryocyte Colony Stimulatin	hemical Characterization, and Cloning of a Novel Megakaryocyte Stimulating Facto			
	CV	Higaki et al. (1995) "Role of Constituents 2. The Boundary Lubricating Ability of Pr	in Synovial-Fluid and Surfac	e-Laver of Artic	ular Cartilage in Joint Lubrication.	
Examiner Signature				Date Considered		

**Application Number** 

First Named Inventor

Filing Date

Group Art Unit

**Examiner Name** 

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Express Mailing Label No. EL862265591US Date of Deposit: October 2, 2001

OCT 1 2 2001 STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	09/897,188	L.N
Filing Date	July 2, 2001	T.
First Named Inventor	Gregory D. Jay	<del></del>
Group Art Unit	1646	900
Examiner Name	J. Kerr	29
Attorney Docket Number	21486-026 CIP2	8

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-	AD	4,108,849	08/22/78	Thomas	260	122	
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	BA	PCT W	O 92/13075	Genetics Institute, Inc.	August 6	, 1992	

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Application Number	09/897,188	
Filing Date	July 2, 2001	
First Named Inventor	Gregory D. Jay	
Group Art Unit	1646	
Examiner Name	J. Kerr	
Attorney Docket Number	21486-026 CIP2	

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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	Page 3 of 3	TECH CENTER
Application Number	09/897,188	
Filing Date	July 2, 2001	5
First Named Inventor	Gregory D. Jay	18
Group Art Unit	1646	1600/2900
Examiner Name	J. Kerr	70
Attorney Docket Number	21486-026 CIP2	

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	СТ	Swann et al. (1981) "The Molecular Structure of Lubricating Glycoprotein-I, the Boundary Lubricant for Articular Cartilage", J. Biological Chemistry, Vol. 256, No. 11, pp. 5921-5925.			
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